

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

**SECTION 1. IDENTIFICATION**

Product name : CONATHANE® EN-1554 Part B Black Curative

**Manufacturer or supplier's details**

Company : ELANTAS PDG, INC.  
5200 North 2nd Street  
St. Louis MO 63147

Telephone : (314) 621-5700

Visit our web site : [www.elantas.com](http://www.elantas.com)

E-mail address : [Todd.Thomas@altana.com](mailto:Todd.Thomas@altana.com)

Emergency telephone number : INFOTRAC - 1-800-535-5053

**Recommended use of the chemical and restrictions on use**

Recommended use :

Restrictions on use : Refer to Section 15 for any restrictions that may apply

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity (Oral) : Category 4

Carcinogenicity : Category 1B

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H302 Harmful if swallowed.  
H350 May cause cancer.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**
**Hazardous components**

Component	CAS-No.	Concentration (%)
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	>= 28 - < 29
Carbon black	1333-86-4	>= 0.1 - < 1

**SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
 Show this safety data sheet to the doctor in attendance.  
 Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
 If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.  
 Remove contact lenses.  
 Protect unharmed eye.  
 Keep eye wide open while rinsing.  
 If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.  
 Keep respiratory tract clear.  
 Do not give milk or alcoholic beverages.  
 Never give anything by mouth to an unconscious person.  
 If symptoms persist, call a physician.  
 Take victim immediately to hospital.

**SECTION 5. FIREFIGHTING MEASURES**

- Unsuitable extinguishing : High volume water jet

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

media

Further information : Standard procedure for chemical fires.  
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Prevent product from entering drains.  
 Prevent further leakage or spillage if safe to do so.  
 If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
 Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Do not breathe vapours/dust.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Store under conditions specified on the product Technical Data Sheet to maintain product quality.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	CAS-No.	Value type	Control	Basis
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**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

		(Form of exposure)	parameters / Permissible concentration	
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	TWA	0.01 ppm	ACGIH
		TWA	0.02 ppm 0.22 mg/m <sup>3</sup>	OSHA P0
Carbon black	1333-86-4	TWA	3.5 mg/m <sup>3</sup>	ACGIH
		TWA	3.5 mg/m <sup>3</sup>	OSHA Z-1

**Engineering measures** : Use with adequate ventilation.  
 All application areas should be ventilated in accordance with applicable OSHA regulations. (29 CFR 1910.94)  
 This product contains a particulate(s) that is considered hazardous per OSHA (29 CFR 1910.1200) and is listed in Section III as a precautionary warning.  
 Under normal conditions of use, this product as supplied does not pose a health risk from particulate matter.  
 Physical degradation of the cured product (i.e. sanding, abrading, etc.) may pose a dust hazard.  
 Repeated inhalation of such dust may cause lung injury.

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection  
 Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
 Tightly fitting safety goggles

Skin and body protection : Impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
 When using do not smoke.  
 Wash hands before breaks and at the end of workday.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Odour Threshold : No data available

pH : No data available

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Vapour pressure	: No data available
Flash point	: > 201 °F (> 94 °C) Method: No information available. Information taken from reference works and the literature.
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Relative vapour density	: No data available
Relative Density/Specific Gravity	: No data available
Density	: 1.1 g/cm <sup>3</sup> (77 °F (25 °C))
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 22 mm <sup>2</sup> /s (104 °F (40 °C))

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Hazardous decomposition products	: Carbon monoxide in a fire. Nitrogen oxides in a fire. chlorinated compounds

**SECTION 11. TOXICOLOGICAL INFORMATION**
**Information on likely routes of exposure**
**Acute toxicity**
**Product:**

Acute oral toxicity	: Acute toxicity estimate : 1,762 mg/kg Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

**Skin corrosion/irritation**
**Serious eye damage/eye irritation**
**Respiratory or skin sensitisation**
**Carcinogenicity**

<b>IARC</b>	Group 1: Carcinogenic to humans	
	2,2'-dichloro-4,4'-methylenedianiline	101-14-4
	Group 2B: Possibly carcinogenic to humans	
	Carbon black	1333-86-4
<b>ACGIH</b>	Suspected human carcinogen	
	2,2'-dichloro-4,4'-methylenedianiline	101-14-4
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.	
<b>NTP</b>	Reasonably anticipated to be a human carcinogen	

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

2,2'-dichloro-4,4'-  
methylenedianiline

101-14-4

**Further information****Product:**

Remarks: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of  
Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a  
Class I or Class II ODS as defined by the U.S. Clean Air Act  
Section 602 (40 CFR 82, Subpt. A, App.A + B).Additional ecological  
information

: No data available

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**EPA Hazardous Waste  
Code(s) : noneWaste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

Do not re-use empty containers.

**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(4,4'-methylenebis[2-chloroaniline])  
Class : 9  
Packing group : III  
Labels : Miscellaneous substances and articles  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964

**IMDG-Code**

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
(4,4'-METHYLENEBIS[2-CHLOROANILINE])  
Class : 9  
Packing group : III  
Labels : 9  
EmS Code : F-A, S-F  
Marine pollutant : yes

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****49 CFR**

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(4,4'-methylenebis[2-chloroaniline])  
Class : 9  
Packing group : III  
Labels : Miscellaneous substances and articles  
ERG Code : 171  
Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION****EPCRA - Emergency Planning and Community Right-to-Know Act**



**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

**US. EPA CERCLA Hazardous Substances (40 CFR 302)**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	10	35

**SARA 304 - Emergency Release Notification**

This material does not contain any components with a section 304 EHS RQ.

**US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)**

This material does not contain any components with a SARA 302 RQ.

**SARA 311/312 Hazards** : Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

2,2'-dichloro-4,4'-methylenedianiline	101-14-4	28.3 %
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**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

2,2'-dichloro-4,4'-methylenedianiline	101-14-4	28.3 %
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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Non-volatile (Wt) : Refer to the product technical data sheet for VOC information.

**US State Regulations**
**Massachusetts Right To Know**

2,2'-dichloro-4,4'-methylenedianiline	101-14-4
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**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

**Pennsylvania Right To Know**

Polyurethane Prepolymer	-
Polytetrahydrofuran	25190-06-1
2,2'-dichloro-4,4'-methylenedianiline	101-14-4

**New Jersey Right To Know**

Polyurethane Prepolymer	-
Polytetrahydrofuran	25190-06-1
2,2'-dichloro-4,4'-methylenedianiline	101-14-4
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-	77-99-6
Polyester Glutarate	-
Carbon black	1333-86-4

**New Jersey Trade Secret Registry Number for the product (NJ TSRN)** : Not Applicable

**California Prop 65**

WARNING! This product contains a chemical known to the State of California to cause cancer.

2,2'-dichloro-4,4'-methylenedianiline	101-14-4
Carbon black	1333-86-4

**The components of this product are reported in the following inventories:**

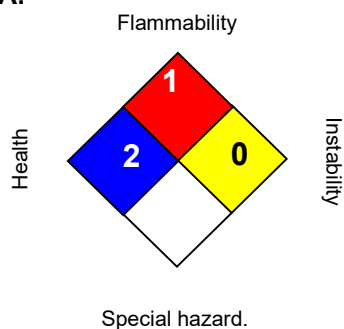
TSCA	: We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).
Section 4 / 12(b)	: Not applicable
Section 5	Not applicable
DSL	: We certify that all of the components of this product are listed on the DSL.

**CONATHANE® EN-1554 Part B Black Curative**

Version 1

Revision Date 10/30/2017

Print Date 10/30/2017

**SECTION 16. OTHER INFORMATION**
**Further information**
**NFPA:**

**HMIS III:**

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
 2 = Moderate, 3 = High  
 4 = Extreme, \* = Chronic

Revision Date : 10/30/2017

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.